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## Apparatus and method for NOx- and/or SOx-regeneration of an NOx storage catalyst

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EP0903481 GB2303565

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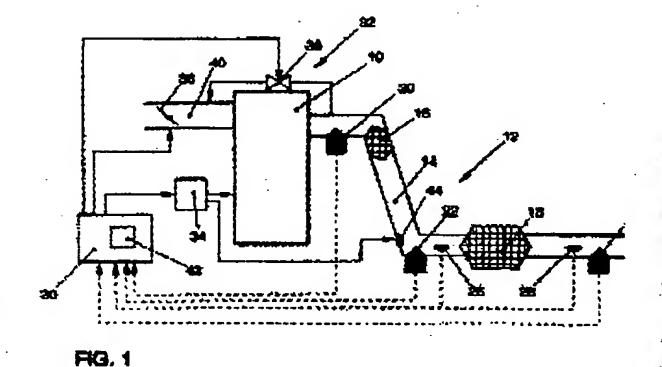
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## Abstract of EP1106798

A diesel engine (10) has an NOx and/or COx exhaust gas (12) storage catalytic converter (18) which is regenerated by exposure to a supply of reduction agent. The reduction agent is supplied as an increased mass flow with the exhaust gas, either by a supplementary injection of fuel into the diesel engine (10) or into the exhaust system (12). An Independent claim is also included for an apparatus for the above process. Preferred Features: The supplementary injection during the regeneration is alternately activated and deactivated. The variation in fuel supply is regulated to optimize the match between burning fuel and the available oxygen. The regeneration is subdivided into active and inactive phases, suppressing the formation of strong odors and undesirable gases especially hydrogen sulfide and ammonia. The duration of the active and/or inactive phases is regulated preferably in accordance with the sulfur load, a current lambda value, the catalyst temperature, or a defined motor operating condition. With progressive increase in the required regeneration duration, the active and/or inactive phases are progressively shortened. The volume of supplementary fuel injected during the active phases is varied according to engine load, current lambda value, catalyst temperature, or a defined motor operating parameter, and is reduced with increasing regeneration duration period.



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